



# ST. JOSEPH'S COLLEGE OF ENGINEERING & TECHNOLOGY, PALAI

(An ISO 9001: 2008 Certified College)

## DEPARTMENT OF COMPUTER APPLICATIONS

**Name of Examination : Secon sememster**

**Subject : RLMCA101 - Problem Solving and Computer Programming**

**Semester : S1**

**Time: 3 Hours**

**Max.Marks: 60**

### PART A

**(Each Question carries 3 marks, Answer all questions)**

1. Define arithmetic operators in C.
2. Explain Unary operators in C?
3. Illustrate on passing of arguments to a function?
4. What are comma operators?
5. Contrast on structures and unions.
6. Explain dynamic memory allocation?
7. Analyze random accessing in C.
8. Name different data types in C?

### PART B

**(Answer any six questions, one full question from each module and carries 6 marks.)**

#### Module 1

9. What are the various types of control flow structures in C.

**OR**

10. Define Arrays, and various array functions in C.

#### Module 2

11. Summarize on scanf( ), printf( ), gets( ), puts( ).

**OR**

12. Define Interactive programming?

#### Module 3

13. Explain the various control statements in C?

**OR**

14. Recall looping statements in C.

#### **Module 4**

15. Outline on arrays in C.

**OR**

16. Rephrase on C strings.

#### **Module 5**

17. Summarize on operations on pointers.

**OR**

18. Write a note on pointers and one dimensional array.

#### **Module 6**

19. Construct a program to receive receive student information from user and store the deatils in a file.

**OR**

20. What you mean by Macros and C preprocessor in C.



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